



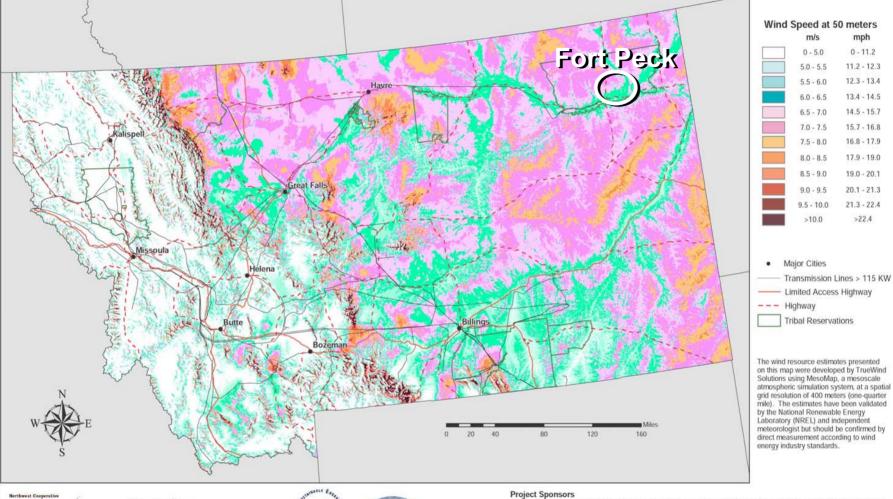


Joseph Brignolo

Vice President, Operations and Program Development, FAI

Project Manager/Technical Director, Fort Peck Wind Development Project











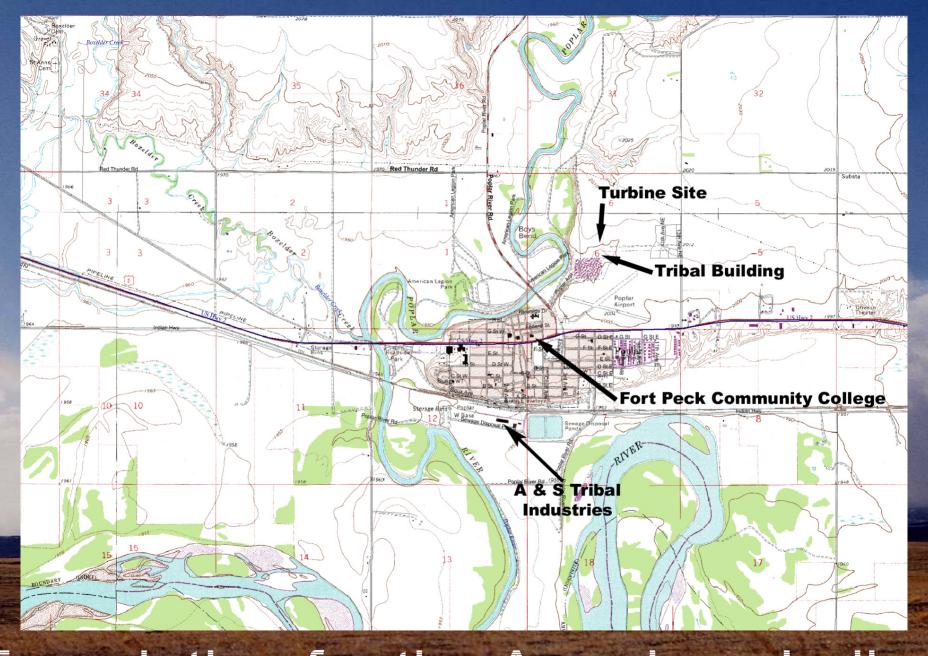






NREL, the Bonneville Power Administration, Northwestern Energy, the Wyoming Business Council, enXco, the Northwest Power Planning Council, Zilkha Renewable Energy, Klickitat County, EnronWind, ABB, Renewable Energy Systems (USA) Inc., Chelan Public Utility District, Idaho Power, Windland, Inc., WSACAA Energy Project, Vestas, Jones & Stokes, CH2M Hill, Suzlon Energy, Northwest Wildlife Consultants, Inc., and Cielo Wind Power.

For more information see www.windpowermaps.org



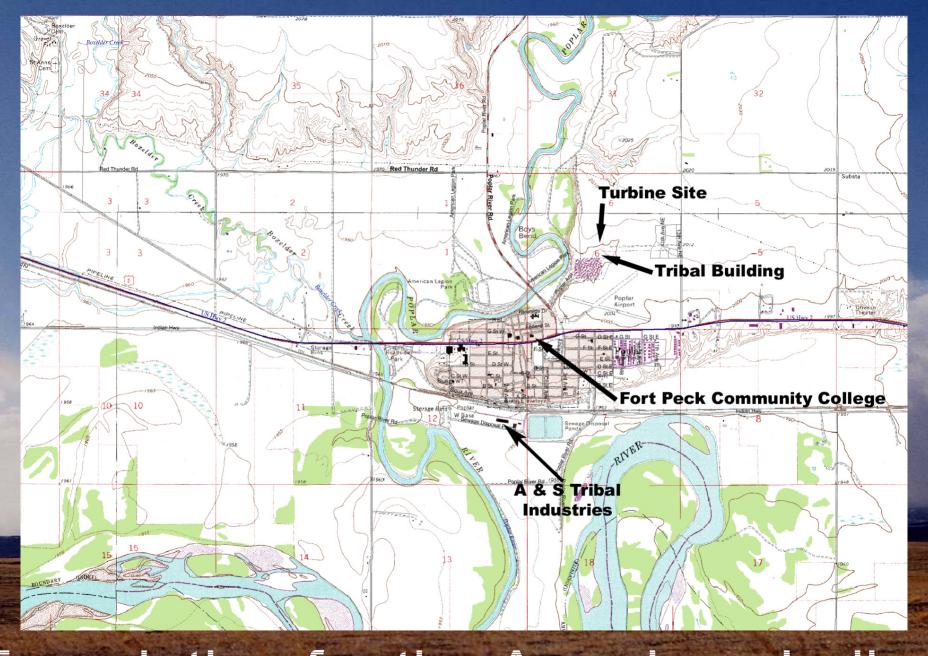
PROJECT OVERVIEW

Buy and Install a Vestas V47-660kw Wind Turbine

Direct Connect / Net Meter the Project to 3 Tribal Buildings

Use the Resulting Electricity Savings to Develop and Implement Tribal Socio-economic Programs

Use the Retail Green Tag Sales to Maintain the Turbine and Create a Tribal Energy Efficiency Program



Tribal Demographics for the Assiniboine Sioux Tribes at Fort Peck

Total area	2,093,318 acres
Tribally owned	935,000 acres
High School graduate or higher	61.4%
Bachelor's deg. or higher	5.9%
Per capita income	\$4,778.00
Total labor force	2,003
Unemployment rate	76.0%
Total reservation population	10,722

PROJECT PARTICPANTS

- Department of Energy / NREL
- Fort Peck Community College
- Foundation for the American Indian
- Vestas American Wind Turbines
- Florida Power and Light Energy
- Patrick and Henderson
- Barnhart Crane and Rigging Company
- Montana-Dakota Utilities
- Roosevelt County
- Trucker's Express
- oundation tor the American Indian

Organizational Chart for Project

Assiniboine & Sioux Tribes at the Fort Peck Reservation

Joseph Brignolo Program Developer/Manager FAI

Dr. James Shanley
President, FPCC

Montana-Dakota Utilities
Jim Eliasson
Director of Electric
Transmission Engineering

Westarm

Vestas AWT Inc.
Turbine Manufactures
Bob Zdebski
Regional Sales Manager

Patrick and Henderson
Civil Engineer
Allan Henderson
Turbine Foundation Installation

FPCC
Building Trades Division
Noel Sansaver
Director

Tribal Enterprise Community Mark Sansaver Director

A&S Tribal Industries Leonard Smith CEO

Dr. Ali Webe Faculty for Renewable Energy Noel Sansaver
Project Construction
and Installation
Manager

Craig Smith
Tribal Information Center
Business Development
and Economic Liaison

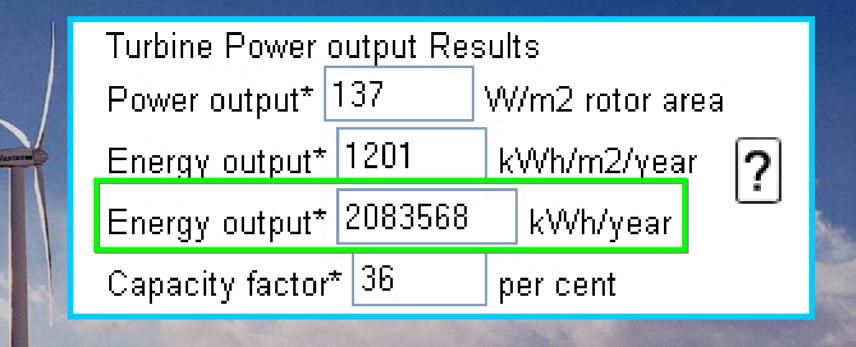
Glenn Black
Faculty
for
Renewable Energy

OBJECTIVES

- Decrease Tribal Energy Dependency
 - Increase Tribal & College Cash Flow
 - Increase Tribal Employment
 - *Use "Pilot" Wind Development Project to Develop Large-Scale Wind Farm
 - Improve Knowledge Base of Renewable Energy at the Tribe

APPROACHES

- Reallocating Project Electrical Savings
 - Establish a Renewable Energy Curriculum at FPCC
- Market Real-Time Green Tags at <u>Retail</u>
- Continue to Develop Our Working relationship with MDU
- Develop Technical Workforce



SO WHAT DOES THIS MEAN for the FORT PECK TRIBES?

Fort Peck Project

Energy output* |2083568

kWh/γear

- x 5.5 Cents per Kwh
- = \$135,431,92 Savings

Foundation for the American Ir

Fort Peck Project

Energy output* |2083568

kWh/γear

GREENTAGS...

x 2.0 Cents per Kwh

= \$41671.72 - Income

RESULTS

The Assiniboine & Sioux Tribes Will Save More than \$ 130,000 Annually on their Electricity....

And will generate More than \$40,000 Annual Income from Retail Green Tag Sales.

Let's Take a Look at How This Will Impact the Tribe...

SOCIO-ECONOMIC IMPACT

Develop an Educational, Training and Certification Program Which Will Provide Qualified Employees to Their Tribal Industries.

Generate Renewable Energy Knowledge for the Tribe.

Provide an Energy Efficiency Program for the Tribal Elders.

Accomplishments

mVestarm

Montana Dakota Utilities Has Committed Their Support to Net Meter 3 Tribal Buildings.

Florida Power and Light Energy Has Agreed to Sell the Project a Vestas V-47 660 for \$458,000.

Vestas Will Commission, Maintain a Service Contract, and Train Tribal Members to Operate and Maintain Their Turbine.

Technical and Management Issues

- NEPA Compliance
- Soil Samples
- Foundation Design
- Weather Cooperation
- Jurbine Delivery and
- o Crane Schedule (Lifting/Rigging)
- Interconnect
- Socio-economic Programs
- Web Site Development
- oundation for the American Indian

Current and Future Activities

- Permitting
- Interconnect Agreement
- "Green-e" Certification
- Retail Sales of Green Tags
- Renewable Energy Curriculum
- ontract Negotiations
- Web Site Development

Future Plans

- - **Project Expansion**
 - Wolf Point Turbine
 - Native American Real-Time
 Green Tags Marketing Company
 - Replicating the FPCC and TMCC Projects at other Tribal Colleges
 - Provide Assistance to the State of Montana for Renewable Energy
- oundation for the American Indian







Joseph Brignolo

Vice President, Operations and Program Development, FAI

Project Manager/Technical Director, Fort Peck Wind Development Project